

INDO

fresh thinking
trusted technology



CONTEMPORARY

RD12 DIRECT DRIVE®



The management system governing the manufacture of this product is ISO 9001:2015 certified

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 www.indolighting.com

RD12 DIRECT DRIVE®



Features

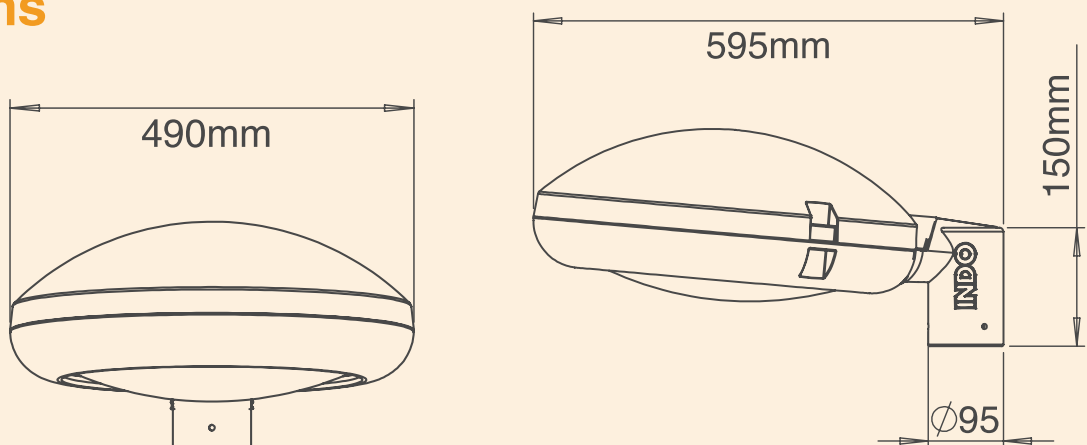
- Direct Drive® technology
- Low profile, contemporary luminaire
- Pre-programmable dimming
- Lightweight
- Low windage (0.09m²)
- Integrated longlife photocell
- Excellent thermal management
- CMS compatible

Benefits

- Significant energy savings
- No driver or photocell maintenance
- Rapid payback
- Simple, reliable installation
- Minimal column loading
- Low whole life cost and risk
- Superior lifetime

Dimensions

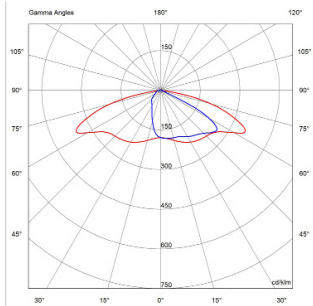
All dimensions in mm



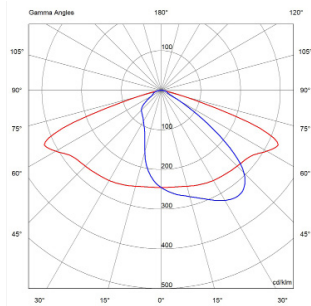
RD12 DIRECT DRIVE®

Photometry

Example optics for car parks

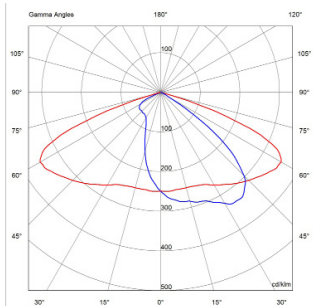


NAVIGATOR M00

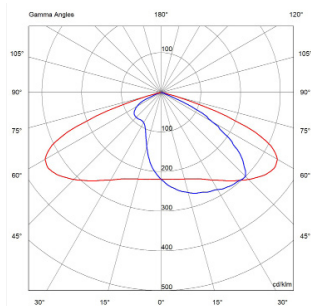


NAVIGATOR M10

Example optics for residential

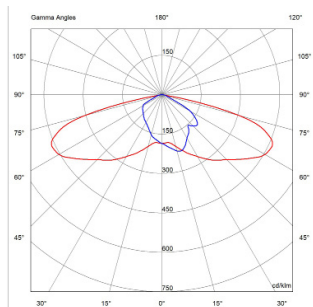


CHROMA DR1

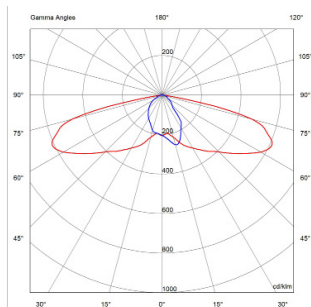


CHROMA DR5

Example optics for mixed residential and footpaths



OPUS2 SW



OPUS2 SWA

Product Overview

The INDO RD12 is a decorative LED lantern that's designed to perform. By combining the highest level of lumen efficiency with an attractive luminaire design, the RD12 is an excellent choice for areas where both aesthetics and performance are important.

This luminaire now benefits from being a Direct Drive® LED solution that boasts significant energy savings, combined with circuitry offering full CMS compatibility and the ability for constant light output (CLO) and other control options such as pre-set dimming.

For architects and lighting designers looking to achieve a clean, modern street scene where the light fittings are a positive feature both day and night, the Direct Drive RD12 will really appeal. Superior uniformity and area illumination will deliver in terms of safety and performance too. The optical output is very well suited for open spaces such as parks, town centres and car parks as well as many road lighting applications too.

NEW!

INDO now has an RD12 RGB option, tailored to suit your application and fully compatible with all major CMS control systems to delivery dynamic, multi-colour changing effects.



RD12 Technical Specifications

PRODUCT ORDERING OPTIONS

Models	RD12 Direct Drive® RD12 RGB
Power (4000K)	5W to 67W
Lumen Output	500lm to 10,000lm
Correlated Colour Temperature (CCT)	2200K, 2700K, 3000K, 4000K, 5000K, RGB
Control Options	20mm pre-drilled
Internal Photocell	20/20, 35/18, 55/28 Not fitted or activated
Dimming	Fixed Pre-set, 50% [00:00-05:00] Pre-set, 75% [00:00-05:00] Pre-set, multi-step options Other programs on request
Light Engine	OPUS2, CHROMA, NAVIGATOR, RGBX
Optics	SW, SWA, SWB, Twin SW, DR1-5, M00-10, P00-05
Luminaire Colour	RAL 9005 – Jet Black

For help selecting the correct lantern specification to suit your application and design criteria, please contact your local account manager direct or call the main office (Option 1, Sales)

KEY FEATURES

Direct Drive®	Yes
Lighting Classes	P1–P7, S4–S7, M3-M5, C3-C5
Glare Control	Classifications up to G6
Replacement for	50W/100W SON, 45W/90W CPO-TW, 24-80W PLL
Dimming Range (DALI)	100% down to 10% output
Constant Light Output	Yes
Reliability	0.81 failures per million operating hours

PHYSICAL PROPERTIES

IK Rating	IK08
IP Rating (Optic + Gear)	IP66
Windage	0.09m ²
Dimensions (L x W x D)	594 x 490 x 300 mm
Net Weight	min 7.2 kg, max 8.7 kg
Ambient Operating Temperature Range	-40°C (min) to +40°C (max)
Materials	HPDC aluminium housing, UV stabilised polycarbonate lens

LEDs

Risk Group	RG1 (low risk)
LED Efficacy (4000K)	Up to 200 lm/W
Lumen Maintenance at 100,000 hours	Up to L93B50
Product Rated Life L80B50	Up to 250,000 hrs
Colour Rendering Index (CRI)	>70Ra
Direct Drive® Current	From 3.5mA to 221mA
SP Ratio (4000K)	From 1.4 to 1.7

Exact LED specifications vary depending on selected light engine and will be confirmed with final product choice

ELECTRICAL

Input Voltage Range	195-265V at 50/60Hz
Power Factor	> 0.95
Soft Start	Yes
Extreme Soft Start	Yes
Automatic Disconnect	No
Fully CMS Addressable	Yes
Photocell Compatibility	Integrated, NEMA, Minicell
Surge Protection	20kV DM, 20kV CM

A wide range of options are available to ensure customers can specify lanterns around their needs to gain cost-efficiencies.

INSTALLATION

Mounting Options	Post top 76mm (5° standard)
Mounting Heights	4m to 8m
Integrated Photocell	Yes
Shields Available	No
Future-proofing	On-site upgradable modules
Pre-wired	Yes, 7m x 1.5mm 3-core cable as standard

UMSUG CODES

An easy to use charge codes look-up table is available at: www.indolighting.com/umsug